



## **TRANS TECH CONSULTANTS**

*Environmental Compliance Services  
Engineers • Geologists • Planners  
License # 697833 (A-Haz)*

January 7, 2005  
Job No. 1514.01

Mr. Charles Gardner  
1170 Limerick Lane  
Healdsburg, California

**Subject: 4<sup>th</sup> Quarter 2004 Monitoring Report  
1170 Limerick Lane, Healdsburg, California  
SCDHS-DEH Site #00001684**

Dear Mr. Gardner:

This report presents the results of the 4<sup>th</sup> Quarter 2004 groundwater monitoring event performed at the subject site. The site is approximately located as shown on the attached Site Location Map, Plate 1. The work was performed in general accordance with recommendations outlined in our July 27, 2004 Results of Investigation / Monitoring Well Installation Report and requests by Sonoma County Department of Health Services - Environmental Health Division (SCDHS-EHD) representatives.

### **Monitoring Well Sampling**

On December 3, 2004, groundwater samples were collected from monitoring wells (wells) MW-1, through MW-3. The approximate location of the wells and general site features are shown on the attached Site Plan/Groundwater Elevation Contour Map, Plate 2. Prior to sampling, static water levels were measured in all wells and each well was checked for the presence of free product using an oil/water interface probe. No free product was reported during this monitoring event. To produce representative groundwater samples prior to sampling, the wells were purged of approximately three well casing volumes using a submersible pump. In addition, indicator parameters such as the temperature, pH, and conductivity were measured during purging. The water level in each well was allowed to recover to near static levels prior to sampling. Groundwater samples were collected using a separate disposable bailer for each well and transferred into the appropriate containers supplied by the laboratory. The groundwater samples were labeled, stored on ice and transported under Chain-of-Custody documentation to Alpha Analytical Laboratories, Inc. (Alpha) of Ukiah, California. Alpha is a State-certified laboratory for the analyses requested. Purge water generated during the sampling of the wells was stored onsite in 55-gallon Department of Transportation (DOT) approved drums, pending disposal. The Groundwater Field Sampling Forms are attached in Appendix A.

## Water Level Measurements

The relative monitoring well top-of-casing (TOC) elevations, depths to groundwater, calculated groundwater elevations, and the calculated groundwater flow directions and gradients for the June 25, September 27 and, December 3, 2004 sampling events are tabulated in Table 1. Depths and elevations are expressed in and gradients are expressed in feet per foot.

**Table 1: Groundwater Flow Direction and Gradient Data**

Date	Monitoring Well ID	TOC Elevation (feet)	Depth to Groundwater (feet)	Water Level Elevation (feet)	Groundwater Flow Direction & Gradient (i)
06/25/04	MW-1	222.40	20.58	201.80	S40°E i = 0.08
	MW-2	222.31	22.51	199.80	
	MW-3	222.90	24.20	199.70	
09/27/04	MW-1	222.40	22.40	200.00	S38°E i = 0.04
	MW-2	222.31	23.32	198.99	
	MW-3	222.90	25.00	198.90	
12/03/04	MW-1	222.40	22.72	199.68	S70°E i = 0.08
	MW-2	222.31	23.70	198.61	
	MW-3	222.90	25.37	197.53	

Groundwater elevation contours based on MW-1 through MW-3 for the December 3, 2004 monitoring event are attached on Plate 2.

## Laboratory Analysis

Groundwater samples collected from the monitoring wells were analyzed for total petroleum hydrocarbons (TPH) as diesel and motor oil by EPA Test Method (EPA)8015. In addition, the samples were analyzed for total oil and grease (TOG) by EPA 1664. The laboratory analytical results for the June 25, September 27, and December 3, 2004 sampling events are tabulated on page 3, Table 2. The Alpha laboratory report dated December 20, 2004, including the chain-of-custody documentation, is attached in Appendix B.



**Table 2: Groundwater Analytical Results**

Date	Sample ID	TPH-g	TPH-d	TPH-mo	TOG	PCB's	B	T	E	X	MtBE
-----µg/L-----											
06/25/04*	MW-1	<50	<50	<200	NA	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0
	MW-2	<50	<50	<200	NA	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0
	MW-3	<50	<50	<200	NA	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0
09/27/04	MW-1	NA	<50	<100	NA	NA	NA	NA	NA	NA	NA
	MW-2	NA	<50	<100	NA	NA	NA	NA	NA	NA	NA
	MW-3	NA	<50	<100	NA	NA	NA	NA	NA	NA	NA
12/03/04	MW-1	NA	<50	<100	<5.0	NA	NA	NA	NA	NA	NA
	MW-2	NA	<50	<100	<5.0	NA	NA	NA	NA	NA	NA
	MW-3	NA	<50	<100	<5.0	NA	NA	NA	NA	NA	NA
NA = not analyzed. < = less than the reported laboratory detection limits. * = analytical results for CAM 5 Metals were below laboratory detection limits.											

### Discussion

Consistent with the previous sampling events, TPH as diesel and TPH as motor oil were not detected at or above the reported laboratory detection limits in the samples collected from the wells. Analytical results for total oil and grease were also below the reported laboratory detection limits.

The next sampling event, scheduled for March 2005, will represent the fourth consecutive quarter and one complete hydrogeologic cycle. As previously discussed with SCDHS-EHD representatives, samples collected during the high groundwater period (March-June) will be analyzed for TPH as gasoline, TPH as diesel and motor oil, total oil and grease (TOG), the volatile organic compounds: benzene, toluene, ethylbenzene, and total xylenes (BTEX), the additional oxygenated fuel additives including methyl tert-butyl ether (MtBE), lead scavengers, poly chlorinated biphenols (PCB's), and the CAM 5 metals.



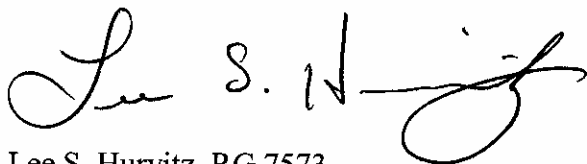
We appreciate the opportunity to be of service to you and trust that this provides the information you require at this time. If you have any questions or require any additional information, please feel free to contact us at (707) 575-8622 or [www.transtechconsultants.com](http://www.transtechconsultants.com).

Sincerely,

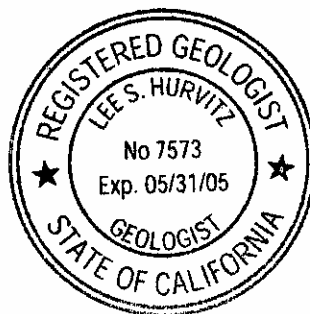
TRANS TECH CONSULTANTS



Brian R. Hasik  
Staff Geologist



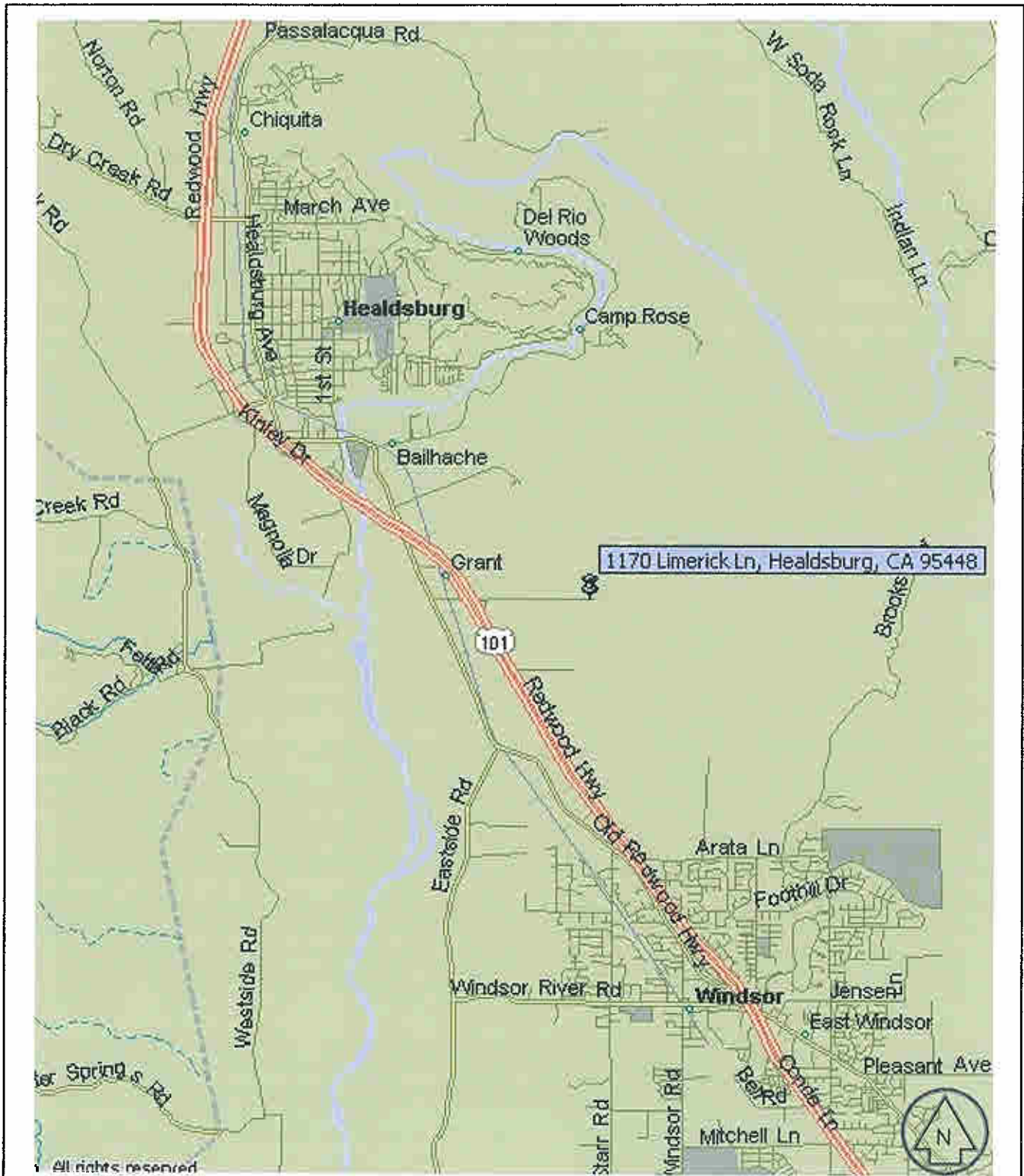
Lee S. Hurvitz, RG 7573  
Senior Geologist



QMR\_1514\_01\_010705

Attachments: Plate 1, Site Location Map  
Plate 2, Site Plan / Groundwater Elevation Contour Map  
Appendix A, Groundwater Field Sampling Forms  
Appendix B, Alpha Analytical Laboratory Report dated December 20, 2004  
Distribution List





**TRANS TECH CONSULTANTS**

930 SHILOH RD., BLDG 44, SUITE J  
WINDSOR, CA 95492  
PHONE: 707-575-8622 FAX: 707-837-7334

## SITE LOCATION MAP

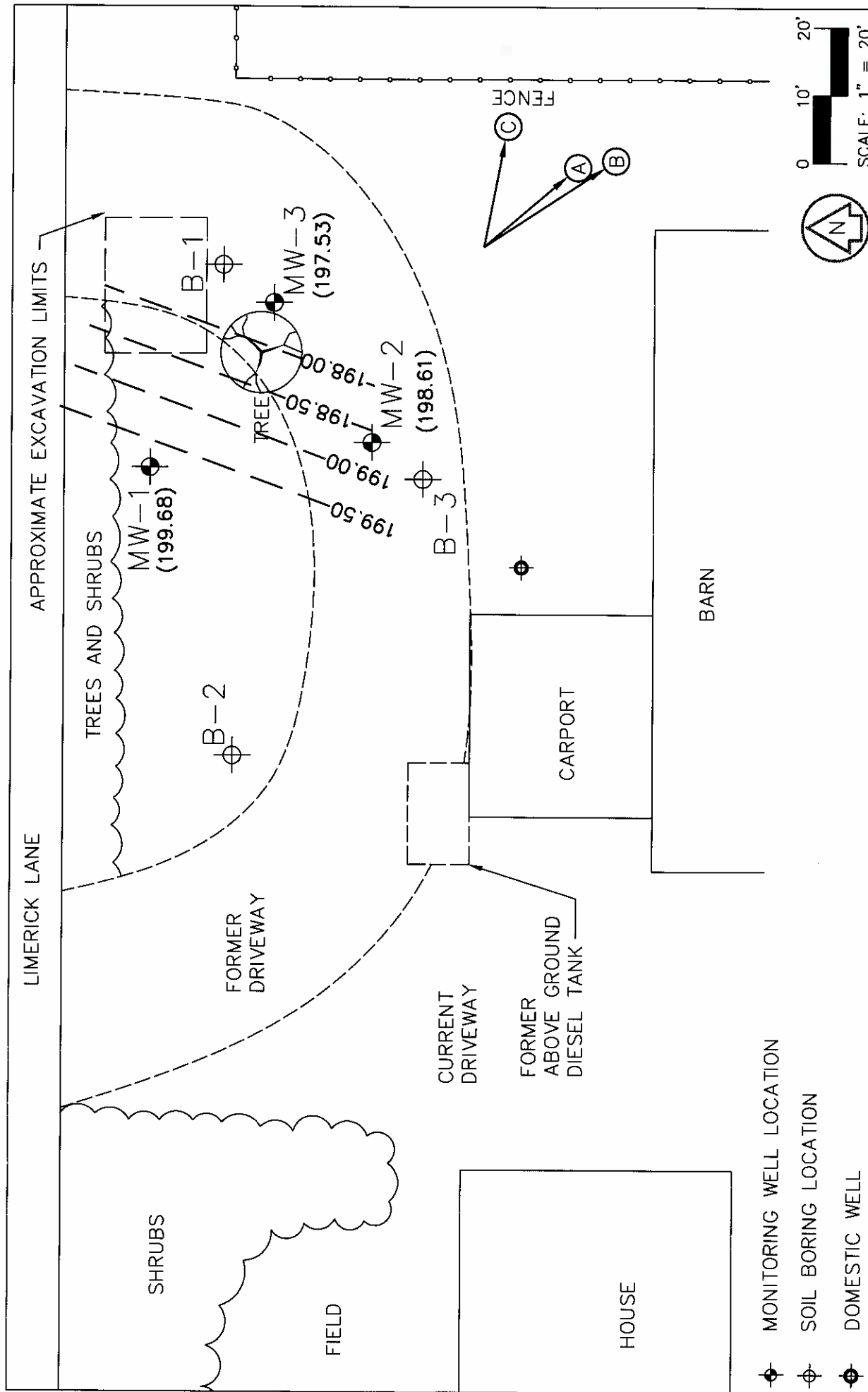
GARDNER  
1170 LIMERICK LANE  
HEALDSBURG, CALIFORNIA

PLATE:

1

DRAWN BY:	DWG NAME:	APPR. BY:	JOB NUMBER:	W.O. NUMBER:	REVISIONS:	DATE:
PSC	1514.01. SLM	LSH	1514.01	A-224		2/10/04





<b>TRANS TECH CONSULTANTS</b> 930 SHILOH RD., BLDG 44, SUITE J WINDSOR, CA 95492 PHONE: 707-575-8622 FAX: 707-837-7334				<b>SITE PLAN/GROUNDWATER ELEVATION CONTOUR MAP FOR 12/3/04</b>			
DRAWN BY: JLP	DWG NAME: 1514.01 GWFP	APPR. BY: LSH	JOB NUMBER: 1514.01	W.O. NUMBER: A-522	REVISIONS:	DATE: 12/6/04	PLATE: 2
				GARDNER 1170 LIMERICK LANE HEALDSBURG, CALIFORNIA			
				SHEET: 1/2			

Estimated Groundwater  
Flow Direction

Gradient Contour  
(Interval = 0.5 ft)

Identifier	Tag
------------	-----

Est. Flow  
Direction

### Gradient Slope

Identifier  
Tag

Est. Flow  
Direction

Gradient  
Slope

A

06/25/04

S40°E

$$i = 0.08$$

Ⓑ

9/27/04

S38°E

$$i = 0.04$$

©

12/3/04

S70°E

$$i = 0.08$$


MW-1 Monitoring Well Location  
[XX.XX] Groundwater Elevation

NOTE: Ground water elevations are in feet above mean sea level (National Geodetic Vertical Datum, 1929).



**TRANS TECH CONSULTANTS**

930 SHILOH RD., BLDG 44, SUITE J  
WINDSOR, CA 95492  
PHONE: 707-575-8622 FAX: 707-837-7334

SITE PLAN/GROUNDWATER ELEVATION CONTOUR MAP  
FOR 12-3-04

GARDNER  
1170 LIMERICK LANE  
HEALDSBURG, CALIFORNIA

PLATE:

2

DRAWN BY:  
PSC

DWG NAME:  
1514.01 GWFP

APPR. BY:  
LSH

JOB NUMBER:  
1514.01

W.O. NUMBER:  
A-522

**REVISIONS:**

DATE:  
12/6/04

SHEET: 2/2


## APPENDIX A



# GROUNDWATER FIELD SAMPLING FORM

1514.01-  
12-3-04

## WELL INFORMATION

Project Number/Name: 1514.01 Gardner		Well Number: MW-1
Project Location: 1170 Limerick Lane Healdsburg, California	Casing Diameter: 2"	Well Depth from TOC (BP): 35.50 Well Depth from TOC (AP):
Date: December 3, 2004	Top of Screen:	Initial Well Depth:
Sampled by (print and sign): Brian Hasik 	Product Thickness in inches:	
	Water Level from TOC: 22.72	Time: 1:46
Notes:	Water Level pre-purge: 22.72	Time: 1:56
	Well Type: <input checked="" type="checkbox"/> Monitor <input type="checkbox"/> Extraction <input type="checkbox"/> Other:	
	Well EL (TOC):	Well Mat: PVC

## WEATHER

Wind: Yes/No <input checked="" type="checkbox"/> No	Clouds: Yes/No <input checked="" type="checkbox"/> No	Sun: Yes/No <input checked="" type="checkbox"/> No	Precipitation in last 5 days: Yes/No <input checked="" type="checkbox"/> No
Rain: Yes/No <input checked="" type="checkbox"/> No	Fog: Yes/No <input checked="" type="checkbox"/> No		

## VOLUME OF WATER TO BE REMOVED BEFORE SAMPLING

(6.13 - 6.13) X (6.5)<sup>2</sup> X 0.0408 = 2.04 gallons in one well volume

TD                      WL                      Dia. Inches

6.13 gallons in 3 well volumes (Approx. 0.6 gal/ft)      6.5 total gallons purged

## FIELD MEASUREMENTS DURING PURGING

Stable Field Parameters Required Prior to Sample Collection <10% pH and EC change, <0.2°C temp. change

Time	Gallons	pH	TEMP °C	ORP	DO mg/L	EC mS/µS	Turbidity H/M/L
2:02	1	7.67	18.2	90		815.7	L
2:03	2	7.39	18.5	103		810.6	L
2:04	3	7.34	18.6	109		839.0	L
2:05	4	7.34	18.5	112		840.5	L
2:05	5	7.31	18.5	113		825.2	L
2:06	6.5	7.45	18.4	113		842.5	L

Minimum of 5 gallons or 0.6 gal/ft. Of water in casing - whichever is greater and field parameters must be stable.

Water Level Before Sampling: 22.96	Time: 2:50
------------------------------------	------------

Appearance of Sample:


Bailer: Disposable      Pump: 12V Submersible (1-2 gpm)

DECON. METHOD: TSP or Liquinox (phosphate free) Wash / Double Rinse

NUMBER OF DRUMS GENERATED: Water: 4      Soil: 2      Other: 0

# GROUNDWATER FIELD SAMPLING FORM

## WELL INFORMATION

Project Number/Name: 1514.01 Gardner		Well Number: MW-2
Project Location: 1170 Limerick Lane Healdsburg, California	Casing Diameter: 2"	Well Depth from TOC (BP): 35.50 Well Depth from TOC (AP):
Date: December 3, 2004	Top of Screen:	Initial Well Depth:
Sampled by (print and sign): Brian Hasik 	Product Thickness in inches:	
	Water Level from TOC: 23.70	Time: 1:57
	Water Level pre-purge: 23.70	Time: 2:15
	Well Type: <input checked="" type="checkbox"/> Monitor <input type="checkbox"/> Extraction <input type="checkbox"/> Other:	
Notes:	Well EL (TOC):	Well Mat: PVC

## WEATHER

Wind: Yes/No	Clouds: Yes/No	Sun: Yes/No	Precipitation in last 5 days: Yes/No
Rain: Yes/No	Fog: Yes/No		

## VOLUME OF WATER TO BE REMOVED BEFORE SAMPLING

( 5.66 - 0 ) X ( 2 ) X 0.0408 = 1.89 gallons in one well volume  
 TD WL Dia. Inches

5.66 gallons in 3 well volumes (Approx. 0.6 gal/ft) 6 total gallons purged

## FIELD MEASUREMENTS DURING PURGING

Stable Field Parameters Required Prior to Sample Collection <10% pH and EC change, <0.2°C temp. change

Time	Gallons	pH	TEMP °C	ORP	DO mg/L	EC mS / μS	Turbidity H/M/L
2:17	1	7.77	17.8	107		620.4	L
2:18	2	7.58	18.1	110		615.5	L
2:19	3	7.40	18.3	114		628.6	L
2:20	4	7.36	18.3	117		635.3	L
2:21	5	7.36	18.3	118		637.1	L
2:22	6	7.36	18.3	118		646.3	L

Minimum of 5 gallons or 0.6 gal/ft. Of water in casing - whichever is greater and field parameters must be stable.

Water Level Before Sampling: 23.85	Time: 3:05
------------------------------------	------------

Appearance of Sample:


Bailer: Disposable Pump: 12V Submersible (1-2 gpm)

DECON. METHOD: TSP or Liquinox (phosphate free) Wash / Double Rinse

NUMBER OF DRUMS GENERATED: Water: 4 Soil: 0 Other: 0

# GROUNDWATER FIELD SAMPLING FORM

## WELL INFORMATION

Project Number/Name: 1514.01 Gardner		Well Number: MW-3
Project Location: 1170 Limerick Lane Healdsburg, California	Casing Diameter: 2"	Well Depth from TOC (BP): 35.50 Well Depth from TOC (AP):
Date: December 3, 2004	Top of Screen:	Initial Well Depth:
Sampled by (print and sign): Brian Hasik 	Product Thickness in inches:	
	Water Level from TOC: 25.36	Time: 1:53
Notes:	Water Level pre-purge: 25.37	Time: 2:32
	Well Type: <input checked="" type="checkbox"/> Monitor <input type="checkbox"/> Extraction <input type="checkbox"/> Other:	
	Well EL (TOC):	Well Mat: PVC

## WEATHER

Wind: Yes/No <input checked="" type="checkbox"/>	Clouds: Yes/No <input checked="" type="checkbox"/>	Sun: Yes/No <input checked="" type="checkbox"/>	Precipitation in last 5 days: Yes/No <input checked="" type="checkbox"/>
Rain: Yes/No <input checked="" type="checkbox"/>	Fog: Yes/No <input checked="" type="checkbox"/>		

## VOLUME OF WATER TO BE REMOVED BEFORE SAMPLING

(4.87 - 4.87) X (5)<sup>2</sup> X 0.0408 = 1.62 gallons in one well volume

TD                      WL                      Dia. Inches

4.87 gallons in 3 well volumes (Approx. 0.6 gal/ft) 5 total gallons purged

## FIELD MEASUREMENTS DURING PURGING

Stable Field Parameters Required Prior to Sample Collection <10% pH and EC change, <0.2°C temp. change

Time	Gallons	pH	TEMP °C	ORP	DO mg/L	EC mS / µS	Turbidity H/M/L
2:34	1	7.55	17.9	121		796.1	L
2:35	2	7.38	18.5	124		760.1	L
2:36	3	7.30	18.6	127		746.1	L
2:37	4	7.25	18.5	128		725.1	L
2:38	5	7.25	18.4	130		727.8	L

Minimum of 5 gallons or 0.6 gal/ft. Of water in casing - whichever is greater and field parameters must be stable.

Water Level Before Sampling: 25.62	Time: 3:20
Appearance of Sample:	
Bailer: Disposable	Pump: 12V Submersible (1-2 gpm)
DECON. METHOD: TSP or Liquinox (phosphate free) Wash / Double Rinse	
NUMBER OF DRUMS GENERATED: Water: 4	Soil: 4 Other: 4

## APPENDIX B





alpha

Alpha Analytical Laboratories Inc.

e-mail: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com)

208 Mason St. Ukiah, California 95482

Phone: (707) 468-0401 • Fax: (707) 468-5267

1514.01

20 December 2004

Charles Gardner  
Attn: Pat Lamb  
1170 Limerick Ln  
Healdsburg, CA 95448  
RE: 1170 Limerick Ln  
Work Order: A412136

Enclosed are the results of analyses for samples received by the laboratory on 12/06/04 14:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa E. Jansen For Sheri L. Speaks  
Project Manager



alpha

Alpha Analytical Laboratories Inc.

208 Mason St. Ukiah, California 95482

e-mail: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com) • Phone: (707) 468-0401 • Fax: (707) 468-5267

## CHEMICAL EXAMINATION REPORT

Page 1 of 5

Charles Gardner  
1170 Limerick Ln  
Healdsburg, CA 95448  
Attn: Pat Lamb

Report Date: 12/20/04 08:45  
Project No: 1514.01  
Project ID: 1170 Limerick Ln

Order Number  
A412136

Receipt Date/Time  
12/06/2004 14:15

Client Code  
TTCGARD

Client PO/Reference

## ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	A412136-01	Water	12/03/04 14:50	12/06/04 14:15
MW-2	A412136-02	Water	12/03/04 15:05	12/06/04 14:15
MW-3	A412136-03	Water	12/03/04 15:20	12/06/04 14:15

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Lisa E. Jansen For Sheri L. Speaks  
Project Manager

12/20/04



# alpha

Alpha Analytical Laboratories Inc.

208 Mason St. Ukiah, California 95482

e-mail: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com) • Phone: (707) 468-0401 • Fax: (707) 468-5267

## CHEMICAL EXAMINATION REPORT

Page 2 of 5

Charles Gardner  
1170 Limerick Ln  
Healdsburg, CA 95448  
Attn: Pat Lamb

Report Date: 12/20/04 08:45  
Project No: 1514.01  
Project ID: 1170 Limerick Ln

<u>Order Number</u>	<u>Receipt Date/Time</u>	<u>Client Code</u>	<u>Client PO/Reference</u>
A412136	12/06/2004 14:15	TTCGARD	

### Alpha Analytical Laboratories, Inc.

	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT	POL	NOTE
<b>MW-1 (A412136-01)</b>			<b>Sample Type: Water</b>			<b>Sampled: 12/03/04 14:50</b>		
<b>Conventional Chemistry Parameters by APHA/EPA Methods</b>								
Oil & Grease (HEM)	EPA 1664	AL41513	12/15/04	12/16/04	1	ND mg/l	5.0	
<b>TPH as Diesel and Motor Oil by EPA Method 8015 Modified</b>								
TPH as Diesel	8015DRO	AL41519	12/15/04	12/15/04	1	ND ug/l	50	
TPH as Motor Oil	"	"	"	"	"	ND "	100	
Surrogate: 1,4-Bromofluorobenzene	"	"	"	"		59.7 %	20-152	
<b>MW-2 (A412136-02)</b>			<b>Sample Type: Water</b>			<b>Sampled: 12/03/04 15:05</b>		
<b>Conventional Chemistry Parameters by APHA/EPA Methods</b>								
Oil & Grease (HEM)	EPA 1664	AL41513	12/15/04	12/16/04	1	ND mg/l	5.0	
<b>TPH as Diesel and Motor Oil by EPA Method 8015 Modified</b>								
TPH as Diesel	8015DRO	AL41519	12/15/04	12/15/04	1	ND ug/l	50	
TPH as Motor Oil	"	"	"	"	"	ND "	100	
Surrogate: 1,4-Bromofluorobenzene	"	"	"	"		47.3 %	20-152	
<b>MW-3 (A412136-03)</b>			<b>Sample Type: Water</b>			<b>Sampled: 12/03/04 15:20</b>		
<b>Conventional Chemistry Parameters by APHA/EPA Methods</b>								
Oil & Grease (HEM)	EPA 1664	AL41513	12/15/04	12/16/04	1	ND mg/l	5.0	
<b>TPH as Diesel and Motor Oil by EPA Method 8015 Modified</b>								
TPH as Diesel	8015DRO	AL41519	12/15/04	12/15/04	1	ND ug/l	50	
TPH as Motor Oil	"	"	"	"	"	ND "	100	
Surrogate: 1,4-Bromofluorobenzene	"	"	"	"		46.5 %	20-152	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa E. Jansen For Sheri L. Speaks  
Project Manager

12/20/04





# alpha

Alpha Analytical Laboratories Inc.

208 Mason St. Ukiah, California 95482

e-mail: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com) • Phone: (707) 468-0401 • Fax: (707) 468-5267

## CHEMICAL EXAMINATION REPORT

Page 3 of 5

Charles Gardner  
1170 Limerick Ln  
Healdsburg, CA 95448  
Attn: Pat Lamb

Report Date: 12/20/04 08:45  
Project No: 1514.01  
Project ID: 1170 Limerick Ln

Order Number  
A412136

Receipt Date/Time  
12/06/2004 14:15

Client Code  
TTCGARD

Client PO/Reference

### Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch AL41513 - General Preparation</b>										
<b>Blank (AL41513-BLK1)</b>				Prepared: 12/15/04 Analyzed: 12/16/04						
Oil & Grease (HEM)	ND	5.0	mg/l							
<b>LCS (AL41513-BS1)</b>				Prepared: 12/15/04 Analyzed: 12/16/04						
Oil & Grease (HEM)	18.9	5.0	mg/l	20.0		94.5	78-114			
<b>LCS Dup (AL41513-BSD1)</b>				Prepared: 12/15/04 Analyzed: 12/16/04						
Oil & Grease (HEM)	18.4	5.0	mg/l	20.0		92.0	78-114	2.68	18	
<b>Matrix Spike (AL41513-MS1)</b>				Source: A412165-01 Prepared: 12/15/04 Analyzed: 12/16/04						
Oil & Grease (HEM)	10.6	5.0	mg/l	12.0	ND	88.3	78-114			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa E. Jansen For Sheri L. Speaks  
Project Manager

12/20/04



alpha

Alpha Analytical Laboratories Inc.

208 Mason St. Ukiah, California 95482

e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

## CHEMICAL EXAMINATION REPORT

Page 4 of 5

Charles Gardner  
1170 Limerick Ln  
Healdsburg, CA 95448  
Attn: Pat Lamb

Report Date: 12/20/04 08:45  
Project No: 1514.01  
Project ID: 1170 Limerick Ln

Order Number  
A412136

Receipt Date/Time  
12/06/2004 14:15

Client Code  
TTCGARD

Client PO/Reference

### TPH as Diesel and Motor Oil by EPA Method 8015 Modified - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch AL41519 - EPA 3510B Water</b>										
<b>Blank (AL41519-BLK1)</b>				Prepared & Analyzed: 12/15/04						
TPH as Diesel	ND	50	ug/l							
TPH as Motor Oil	ND	100	"							
Surrogate: 1,4-Bromofluorobenzene	336		"	735		45.7	20-152			
<b>LCS (AL41519-BS1)</b>				Prepared & Analyzed: 12/15/04						
TPH as Diesel	1720	50	ug/l	1960		87.8	57-136			
TPH as Motor Oil	1930	100	"	1990		97.0	58-138			
Surrogate: 1,4-Bromofluorobenzene	433		"	735		58.9	20-152			
<b>LCS Dup (AL41519-BSD1)</b>				Prepared & Analyzed: 12/15/04						
TPH as Diesel	1650	50	ug/l	1960		84.2	57-136	4.15	25	
TPH as Motor Oil	1870	100	"	1990		94.0	58-138	3.16	25	
Surrogate: 1,4-Bromofluorobenzene	406		"	735		55.2	20-152			

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*Lisa E. Jansen*

Lisa E. Jansen For Sheri L. Speaks  
Project Manager

12/20/04



alpha

Alpha Analytical Laboratories Inc.

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## CHEMICAL EXAMINATION REPORT

Page 5 of 5

Charles Gardner  
1170 Limerick Ln  
Healdsburg, CA 95448  
Attn: Pat Lamb

Report Date: 12/20/04 08:45  
Project No: 1514.01  
Project ID: 1170 Limerick Ln

<u>Order Number</u>	<u>Receipt Date/Time</u>	<u>Client Code</u>	<u>Client PO/Reference</u>
A412136	12/06/2004 14:15	TTCGARD	

### Notes and Definitions

DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis  
RPD Relative Percent Difference  
PQL Practical Quantitation Limit



**DISTRIBUTION LIST**  
**4<sup>th</sup> Quarter 2004 Monitoring Report**  
**1170 Limerick Lane**  
**Healdsburg, California**  
**January 7, 2005**  
**Job No. 1514.01**

Mr. Cliff Ives  
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Environmental Health Division  
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